Wahl® HEAT SPY®

Distributed by
SEMAC
www.SEMACnet.com
704-536-4886
fax 704-536-0152
PO Box 220552, Charlotte, North Carolina 28222

z50 Inspector

Designed for the pro, save and export thermal and digital images with easy report writing software.

z30 Detector

Designed for on the spot routine maintenance inspections.

First upgradeable camera *after purchase.* Maximize scalability by upgrading your camera with up to 15 configurations - *at any time!*

First *user* upgradeable camera. Maximize value by easily upgrading your z30 Detector to a z50 Inspector - *in the field!*

First extended warranty plan to *include* annual recalibration, inspection and firmware upgrades. Maximize performance and *increase the life of your Heat Spy!* (Excludes Battery and SD Card)

Features

upgrade both models with a High Temperature option, Wide Angle Lens and / or Telephoto Lens - at any time!

"z" speed at 30 Hertz captures clear, sharp images! (USA Customers only)

Camera acclimates quickly. Sudden ambient temperature changes won't slow you down!

every Pixel is individually calibrated!

"Double Vision" provides simultaneous capture of both a Thermal and Digital picture, and can include up to a 45 second voice recording. (z50 Series only)

Hands-free flashlight (optional) screws into camera to brighten dark areas for clear digital pictures. Operates on it's own internal battery, enabling longer camera battery life.

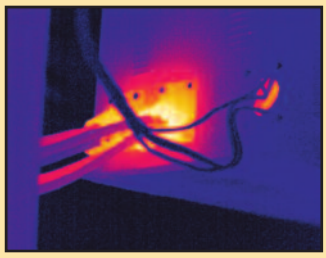
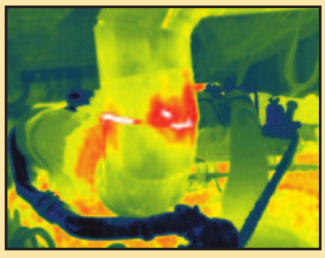
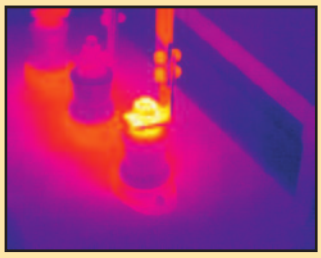
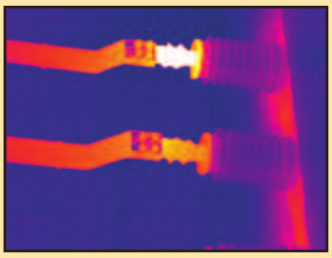
Lease the camera at 0% interest (Call Customer Service for requirements, USA Customers only)

We are so confident that you will love this new camera that we are offering a 48 hour money back guarantee! (USA Customers only)

Call us now! You could win a Free Heat Spy, upgrade or accessory!

Buy it, you'll like it; 48 hour Money Back Guarantee*

* USA Customers only

Find problems quickly, easily, and safely with the Wahl Heat Spy.

Heat Spy® is a registered trademark of Wahl Instruments, Inc.

Specifications subject to change without notice

www.wahlheatspy.com
Palmer Wahl • 234 Old Weaverville Road • Asheville • North Carolina • 28804
sales@palmerwahl.com • Phone: (800) 421-2853 • FAX: (828) 658-0728

PW1280z
October 2011

APPLICATIONS
for many Industries

- Aerospace
- Automotive
- Asphalt & Roofing
- Breweries
- Beverage Processing
- Canning
- Chemical
- Coal & Mineral Mining
- Condition Monitoring
- Confectionery
- Cosmetics
- Dairy Processing
- Electrical
- Energy Audits
- Facilities Management
- Fire Fighting
- Food Processing
- Food Service
- Glass
- Government
- Home Inspection
- HVAC & Irrigation
- Meat Processing
- Mechanical
- Military
- Natural Gas
- Oil & Petroleum
- Petrochemical
- Pharmaceutical
- Pipe, Valve & Fitting
- Plumbing
- Police Search/Rescue
- Poultry Processing
- Power Generation
- Pulp & Paper
- Research & Development
- Plastics
- Rubber
- Sanitary Processing
- Semiconductor
- Steel & Iron
- Telecommunications
- Test & Measurement
- Verification
- Water & Wastewater
- Weatherization

and more!

TWO YEAR 2 WARRANTY

IP54

Specifications	z30 Series Detector	z50 Series Inspector
UPGRADE Model	Upgrade to a z50 Inspector - in the Field!	Full Feature Series
Measurement Range	-4° to 356°F (-20° to 180°C)	
UPGRADE to High Temperature	212° to 1112°F (100° to 600°C) (User Upgradeable in the Field)	
Temperature Accuracy	Greater of ± 2% of reading or ± 2°C	
Temperature Scale	User Selectable °C, °F, and K	
Temperature Cursors	1 Hot Seeking, 1 Cold Seeking, 2 Adjustable	
Field of View	17.5° x 13°	
Resolution/Pixel Size	160 X 120	
Spectral Range	8-14µm	
Thermal Sensitivity	0.1°C @ 30°C	
LCD Display	High Resolution 3.5" Color LCD, 640 x 480	
Digital Zoom	2 X Zoom	
Frame Rate	30 Hz (USA only) (9Hz Models a30 and a50, International)	
Display Color Palettes	**4 Color Palettes:** Ironbow; Negative Grayscale; Rainbow Blue-Red; High Contrast Blue-Yellow	**11 Color Palettes:** Ironbow; Negative Grayscale; Positive Grayscale; Amber; Hot Metal; Cool Metal; Rainbow Green-Red; Rainbow Blue-Red; Rainbow Black-White; High Contrast Blue-Yellow; and High Contrast Violet-White
Image Adjustment	Auto Ranging / Manual Level and Span / Adjustable Display Brightness Control	
Languages	**11 Languages:** English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	
Laser Pointer	Class 2 < 1mW / 635nm, Red	
Self Calibration	Auto Calibration with Adjustable Time Interval or Push Button Manual	
Measurement Mode	Spots, Delta T	Spots, Areas, Lines, Isotherms, Delta T
Number of Measurement Areas	N/A	3
Emissivity Range	Adjustable from 0.01 to 1.00	Adjustable from 0.01 to 1.00 with Built-in Emissivity Table
T Reflect	Manual Adjustment	
T Correct	N/A	Manual Adjustment
Digital Camera	N/A	1.3 Megapixel
Thermal/Digital Image	N/A	Toggle between Thermal and Digital
Alarm	High Temperature Audible and Visible Alarm	High Temperature Audible and Visible Alarm Isotherm Visible Alarm
UPGRADE Optics	Wide Angle (35° x 26° FOV), and/or Telephoto (8.75° x 6.5° FOV) (Factory Upgradeable options)	
Report Analysis Software	N/A	Yes
Image Storage	N/A	2GB SD / Time Stamped
Freeze Frame/Save Image	Freeze Frame only	Freeze Frame and Save Image, Thermal and/or Digital to SD Card
Storage Mode	N/A	Manual Single Image Save or Programmable Auto Save to SD Card
Voice Annotation	N/A	Maximum 45s per image
File Format (Thermal)	N/A	JPEG plus Temperature in 14 bit data
File Format (Visual)	N/A	JPEG
Video Output	User Selectable PAL and NTSC	
Dimensions / Weight (w/o battery)	Width: 4.5 in. (115mm) x Length: 5.9 in. (150mm) x Height: 9 in. (230mm) / 1.65 lbs (0.75 Kg)	
Power / Operating Time	1 Rechargeable Lithium ion Battery / 2 Batteries provide 6.0 plus hours operation	
Charging System	External AC Mains Battery Charger included; In Camera Charging with optional AC Battery Charger	
Ambient Operating Temperature	5° to 122°F (-15° to 50°C)	
Storage Temperature	-4° to 140°F (-20° to 60°C)	
Humidity	≤ 90% non-condensing	
Included Accessories	Carrying Case; Wrist Strap; Lens Cap; 2 Rechargeable Lithium Ion Batteries; Video Out Cable; AC Mains Battery Charger; Report & Analysis Software; User Manual. 50 Series only: SD Card and Reader.	
Options	NIST Traceable Certificate of Conformance; Extended Warranty; Damage Protection Plan; Hands Free Flashlight; Auxillary Charging Pkg includes: Car Charger, AC mains charger, and International Plugs	

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